

Please type a plus sign (+) inside this box 

PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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|--|------------------------|---|
| UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b)) | Attorney Docket No. | 325772032900 |
| | First Inventor | Takashi YAMADA |
| | Title | ELECTRIC APPARATUS AND HEATING DEVICE WITH VARIABLE CIRCUIT AND IMAGE FORMING APPARATUS USING SUCH DEVICE |
| | Express Mail Label No. | |

| | |
|---|--|
| APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. | ADDRESS TO: Commissioner for Patents 2011 South Clark Place Room 1B03, Crystal Plaza 2 Arlington, Virginia 22202 |
|---|--|

| | |
|---|---|
| <p>1. <input type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)</p> <p>2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 46] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 11]</p> <p>5. Oath or Declaration [Total Pages 3] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> | <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies</p> <p>ACCOMPANYING APPLICATIONS PARTS</p> <p>9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of (when there is an assignee) Attorney</p> <p>11. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>12. <input checked="" type="checkbox"/> Information Disclosure <input checked="" type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449 Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</p> <p>15. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input type="checkbox"/> Other: </p> |
|---|---|

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:


☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Prior application information: Examiner _____ Group / Art Unit: _____

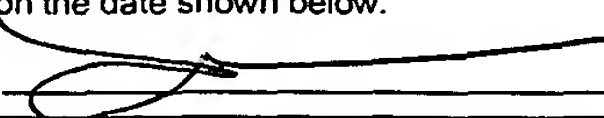
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

| | | |
|---|--------------|--|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | 25227 | or <input type="checkbox"/> Correspondence address below |
| Name | | |
| Address | | |
| City | State | Zip Code |
| Country | Telephone | Fax |

| | | | |
|-------------------|---|-----------------------------------|-----------------|
| Name (Print/Type) | Barry E. Bretschneider | Registration No. (Attorney/Agent) | 28,055 |
| Signature |  | Date | August 28, 2003 |

I hereby certify that this correspondence is being hand delivered to: Commissioner for Patents, 2011 South Clark Place, Room 1B03, Crystal Plaza 2, Arlington, Virginia, 22202, on the date shown below.

Dated: August 28, 2003 Signature:  (Jeffery McCuller)

03940 U.S. PTO
10/649838
08/28/03

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Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

Compleat if Known

| | |
|----------------------|------------------|
| Application Number | Not Yet Assigned |
| Filing Date | August 28, 2003 |
| First Named Inventor | Takashi YAMADA |
| Examiner Name | Not Yet Assigned |
| Group Art Unit | Not Yet Assigned |
| Attorney Docket No. | 325772032900 |

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit
Account
Number

03-1952

**Deposit
Account
Name**

Morrison & Foerster LLP

The Commissioner is hereby authorized to: (check all that apply)

| | | | |
|-------------------------------------|-------------------------------|-------------------------------------|-------------------------|
| <input checked="" type="checkbox"/> | Charge fee(s) indicated below | <input checked="" type="checkbox"/> | Credit any overpayments |
|-------------------------------------|-------------------------------|-------------------------------------|-------------------------|

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| <input checked="" type="checkbox"/> | Charge any additional fee(s) during the pendency of this application |
|-------------------------------------|--|

☐ Charge fee(s) indicated below, except for the filing fee

to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 750 | 2001 | 375 | Utility filing fee | 750.00 |
| 1002 | 330 | 2002 | 165 | Design filing fee | |
| 1003 | 520 | 2003 | 260 | Plant filing fee | |
| 1004 | 750 | 2004 | 375 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |

| | | |
|---------------------|-------------|---------------|
| SUBTOTAL (1) | (\$) | 750.00 |
|---------------------|-------------|---------------|

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | | | | | |
|--------------|----|---------|--------------|----------------|----------|
| Total Claims | 16 | -20** = | Extra Claims | Fee from below | Fee Paid |
| | | | | | 0.00 |

Independent Claims 3 $-4^{**} =$ \times $=$

Multiple Dependent

| | Large Entity | Small Entity |
|---------------------------------|--|--|
| 1. Revenue Recognition | Revenue is recognized when the performance obligation is satisfied, which is when control of the goods or services is transferred to the customer. | Revenue is recognized when the performance obligation is satisfied, which is when control of the goods or services is transferred to the customer. |
| 2. Expense Recognition | Expenses are recognized when the related asset is consumed or the liability is incurred. | Expenses are recognized when the related asset is consumed or the liability is incurred. |
| 3. Asset Recognition | Assets are recognized when the entity has control over a resource that is expected to generate future economic benefits. | Assets are recognized when the entity has control over a resource that is expected to generate future economic benefits. |
| 4. Liability Recognition | Liabilities are recognized when the entity has a present obligation to transfer an asset or provide a service in the future. | Liabilities are recognized when the entity has a present obligation to transfer an asset or provide a service in the future. |
| 5. Equity Recognition | Equity is recognized as the residual interest in the entity's assets after deducting all liabilities. | Equity is recognized as the residual interest in the entity's assets after deducting all liabilities. |

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description |
|----------|----------|----------|----------|--|
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 84 | 2201 | 42 | Independent claims in excess of 3 |
| 1203 | 280 | 2203 | 140 | Multiple dependent claim, if not paid |
| 1204 | 84 | 2204 | 42 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)

****or number previously paid, if greater; For Reissues, see above**

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge – late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge – late provisional filing fee or cover sheet. | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 410 | 2252 | 205 | Extension for reply within second month | |
| 1253 | 930 | 2253 | 465 | Extension for reply within third month | |
| 1254 | 1,450 | 2254 | 725 | Extension for reply within fourth month | |
| 1255 | 1,970 | 2255 | 985 | Extension for reply within fifth month | |
| 1401 | 320 | 2401 | 160 | Notice of Appeal | |
| 1402 | 320 | 2402 | 160 | Filing a brief in support of an appeal | |
| 1403 | 280 | 2403 | 140 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive – unavoidable | |
| 1453 | 1,300 | 2453 | 650 | Petition to revive - unintentional | |
| 1501 | 1,300 | 2501 | 650 | Utility issue fee (or reissue) | |
| 1502 | 470 | 2502 | 235 | Design issue fee | |
| 1503 | 630 | 2503 | 315 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | 40.00 |
| 1809 | 750 | 2809 | 375 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 | 750 | 2810 | 375 | For each additional invention to be examined (37CFR 1.129(b)) | |
| 1801 | 750 | 2801 | 375 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

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|---------------------|-------------|--------------|
| SUBTOTAL (3) | (\$) | 40.00 |
|---------------------|-------------|--------------|

SUBMITTED BY

| | |
|-------------------|------------------------|
| Name (Print/Type) | Barry E. Bretschneider |
|-------------------|------------------------|

Registration No.
(Attorney/Agent)

28,055

Complete (if applicable)

Telephone (703) 760-7743

Signature

Date _____

August 28, 2003